

CLAIMS

- 1 1. A method of recording data, comprising:
2 establishing a scheduled start time to start recording the data;
3 recording the data, the recording starting at a time prior to the scheduled start
4 time; and
5 responsive to a command to play the recorded data from a beginning, playing
6 the recorded data starting with data recorded at the scheduled start
7 time.
- 1 2. The method of claim 1, further comprising:
2 responsive to receiving a command during playback of the data, playing back
3 at least a portion of the data recorded prior to the scheduled start time.
- 1 3. The method of claim 1, wherein the recording step comprises the step of:
2 recording the data onto a random-access recording medium.
- 1 4. The method of claim 1, further comprising the step of:
2 displaying a counter indicating a time base for the recorded data.
- 1 5. The method of claim 4, wherein the counter counts a time elapsed since
2 the scheduled start time.
- 1 6. The method of claim 4, wherein the counter counts data recorded between
2 the record start and the scheduled start time as negative time.
- 1 7. The method of claim 1, further comprising the step of:
2 displaying a user interface allowing selection of a record start time prior to the
3 scheduled start time;
4 wherein the recording step starts recording at the selected record start time.

1 8. A digital video recorder (DVR) for digitally recording video data,
2 comprising:
3 a random-access recording medium;
4 an input for receiving the video data;
5 a processor for controlling the operation of the DVR; and
6 a program logic memory for storing program logic modules for execution by
7 the processor, the modules comprising:
8 a module for establishing a scheduled start time to start recording the
9 video data to the recording medium;
10 a module for recording the video data on the recording medium, the
11 recording starting at a time prior to the scheduled start time; and
12 a module for playing back the recorded data responsive to a command
13 received by the DVR, the playback starting with the data recorded
14 at the scheduled start time.

1 9. The DVR of claim 8, wherein the modules further comprise:
2 a module for playing back at least a portion of the video data recorded prior to
3 the scheduled start time responsive to a command received during
4 playback of the recorded video data.

1 10. The DVR of claim 8, wherein the modules further comprise:
2 a module for displaying a user interface allowing selection of a recording start
3 time prior to the scheduled start time;
4 wherein the module for recording the video data starts recording at the
5 selected recording start time.

1 11. The DVR of claim 10, wherein the modules further comprise:
2 a module for displaying a graphical indication that a recording start time prior
3 to the scheduled start time is selected.

- 1 12. The DVR of claim 8, wherein the modules further comprise:
2 a module for displaying a counter counting a time base for the recorded video
3 data.
- 1 13. The DVR of claim 12, wherein the counter counts a time elapsed since the
2 scheduled start time.
- 1 14. The DVR of claim 12, wherein the counter counts the time base of data
2 recorded between the record start and the scheduled start time as negative time.
- 1 15. The DVR of claim 8, further comprising:
2 a channel guide database operatively coupled to the processor for storing
3 channel guide data, wherein the scheduled start time is established
4 responsive to the channel guide data.
- 1 16. The DVR of claim 15, wherein the channel guide data identifies programs
2 and further comprising:
3 a criteria database operatively coupled to the processor for storing criteria for
4 selecting one or more of the programs identified by the channel guide
5 data, wherein the scheduled start time is established responsive to the
6 one or more programs identified by the criteria database.
- 1 17. A computer program product comprising:
2 a computer-usable medium having computer-readable code embodied therein
3 for controlling a digital video recorder (DVR), the DVR adapted to
4 receive video data, the computer-readable code comprising:
5 a module for establishing a scheduled time to start recording the video
6 data;
7 a module for recording the video data starting at a time prior to the
8 scheduled start time; and

9 a module for playing back the recorded data responsive to a command
10 received by the DVR, the playback starting with the data recorded
11 at the scheduled start time.

1 18. The computer program product of claim 17, the computer-readable code
2 further comprising:
3 a module for playing back at least a portion of the video data recorded prior to
4 the scheduled start time responsive to a command received during
5 playback of the recorded video data.

1 19. The computer program product of claim 17, the computer-readable code
2 further comprising:
3 a module for displaying a user interface allowing selection of a recording start
4 time prior to the scheduled start time;
5 wherein the module for recording the video data starts recording at the
6 selected recording start time.

1 20. The computer program product of claim 19, the computer-readable code
2 further comprising:
3 a module for displaying a graphical indication that a recording start time prior
4 to the scheduled start time is selected.

1 21. The computer program product of claim 17, the computer-readable code
2 further comprising:
3 a module for displaying a counter counting a time base for the recorded video
4 data.

1 22. The computer program product of claim 21, wherein the counter counts a
2 time elapsed since the scheduled start time.

- 1 23. The computer program product of claim 21, wherein the counter counts
- 2 the time base of data recorded between the record start and the scheduled start time as
- 3 negative time.

Case 5:13-cv-00001-Document 1-1 Filed 01/14/14 Page 23 of 23